Mac OS 9.2.2/Mac OS X 10.1.3/Windows® 98 SE/Windows ME/Windows 2000/Windows XP

Adobe® Premiere® version 6.5

New Feature Highlights

The essential tool for professional digital video editing

A well-crafted movie can evoke a powerful emotional response, capture the essence of a moment, or provide insights into new worlds. With Adobe Premiere 6.5, you can use professional digital video editing tools to create your own movies that inspire, instruct, and delight—at an affordable price and using the hardware you prefer. Premiere can handle your most challenging projects today, and its powerful tools provide the depth to meet your growing requirements. Whether you're producing content for DVD, tape, or the Web, Adobe Premiere 6.5 offers a complete solution that delivers uncompromising quality. New features in this release expand your options with Real-time Preview, innovative creative editing tools, support for the most up-to-date technologies available, and output options for a wide range of media—all reasons that Adobe Premiere 6.5 is recognized as the essential tool for professional digital video editing. Here's an overview of what you'll find in this new release:

Professional Video Editing Tools—Use powerful and precise editing tools to create broadcast quality video productions. Real-time Preview means that you see effects, transitions, and more instantly, which saves valuable production time. Create sophisticated title sequences with the new Adobe Title Designer, sweeten audio with new plug-ins, and produce your own royalty-free custom-length sound tracks with updated SmartSound Quicktracks. Plus, import and edit Windows Media files for a flexible workflow.

Extensive Hardware Support—Work with the latest video technologies thanks to unmatched hardware support, from hardware that allows you to work with uncompressed video to DV hardware. Use powerful device controls to capture footage from today's digital video hardware, including the latest Sony DVCAM devices, and camcorders and decks from Panasonic, Sony, Canon, and other leading manufacturers. And work with the latest operating systems, including Windows XP and Mac OS X.

Flexible Export Options—Export to virtually any medium you or your clients prefer, including DVD, DV or analog tape, and streaming media formats for the Web. Use the Adobe MPEG Encoder (Windows only) to export MPEG1 and MPEG2 files for DVD authoring, and take advantage of enhanced Windows Media export. Macintosh users benefit from integration with Apple DVD Studio Pro for creating MPEG files.

Tight Adobe Product Integration—Streamline your workflow thanks to tight integration with other Adobe software tools, including Adobe After Effects®, Adobe Photoshop®, and Adobe Illustrator®. Apply new After Effects special effects filters in your productions, and use more than 90 high-quality Adobe fonts included with Premiere to create great-looking title sequences.

This document provides information about the new features and enhancements in Adobe Premiere 6.5. For additional information about Adobe Premiere 6.5, visit *www.adobe.com/premiere*.

Professional Video Editing

Real-time Preview

Get more done in less time thanks to Real-time Preview in Premiere 6.5! Now you can instantly preview edits, effects, titles, and transitions on your desktop monitor. Because you no longer have to wait for your production to render before you can see results, you can make editing decisions more efficiently. For example, you can experiment with different transitions between clips—simply change the settings and play your production, and you'll be able to see whether the results are what you're after. Or try applying several different filters to a clip—because you don't have to wait for each effect to render, there's no downside to exploring a wider range of creative options. Plus, you can now perform everyday editing tasks such as previewing motion paths, transparency keys, and titles in real-time.

Adobe

Note: Real-time Preview is designed to take advantage of today's faster systems. Playback frame rates and quality degrade gracefully on less powerful systems.

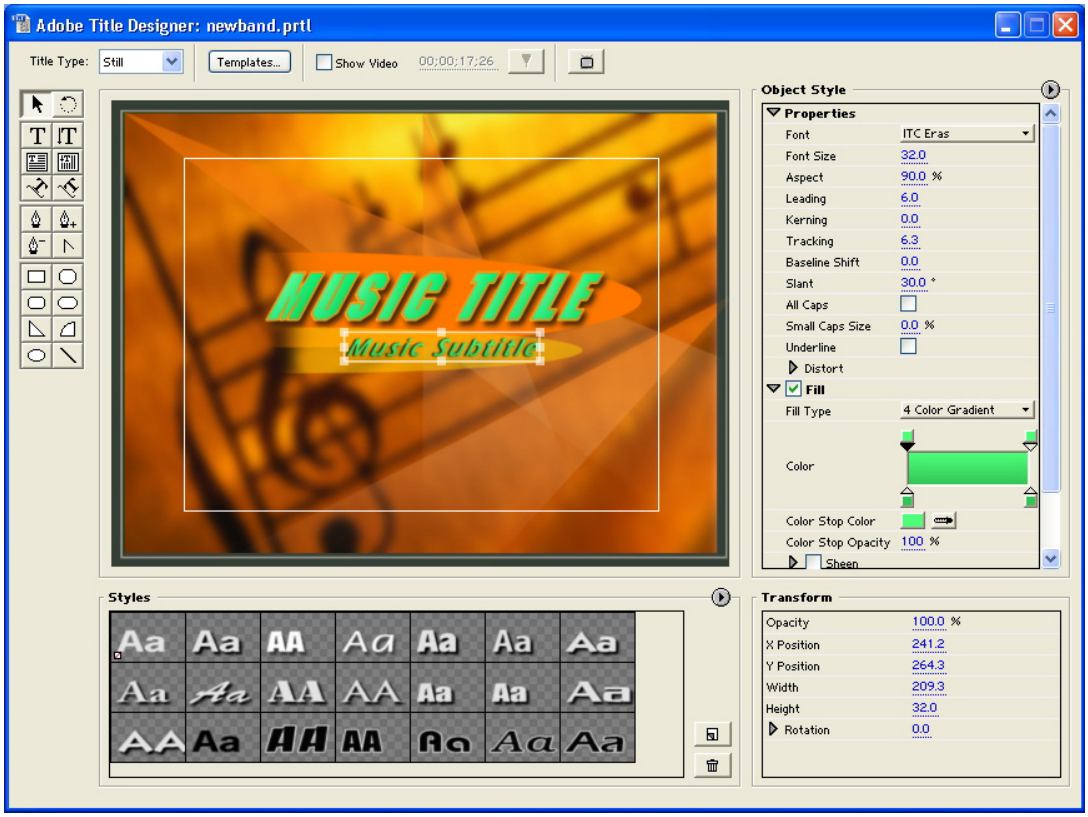
Adobe Title Designer

Create broadcast-quality title sequences that include text and graphic elements using the new Adobe Title Designer. Whether you're crafting a highly-choreographed opening sequence that integrates text and graphic elements with moving footage or producing a straightforward credit roll, you can create high-quality results using time-saving features. From right within Premiere, the Adobe Title Designer provides powerful controls that deliver exceptional results along with time-saving Templates and Styles.

Professional Typographic Controls

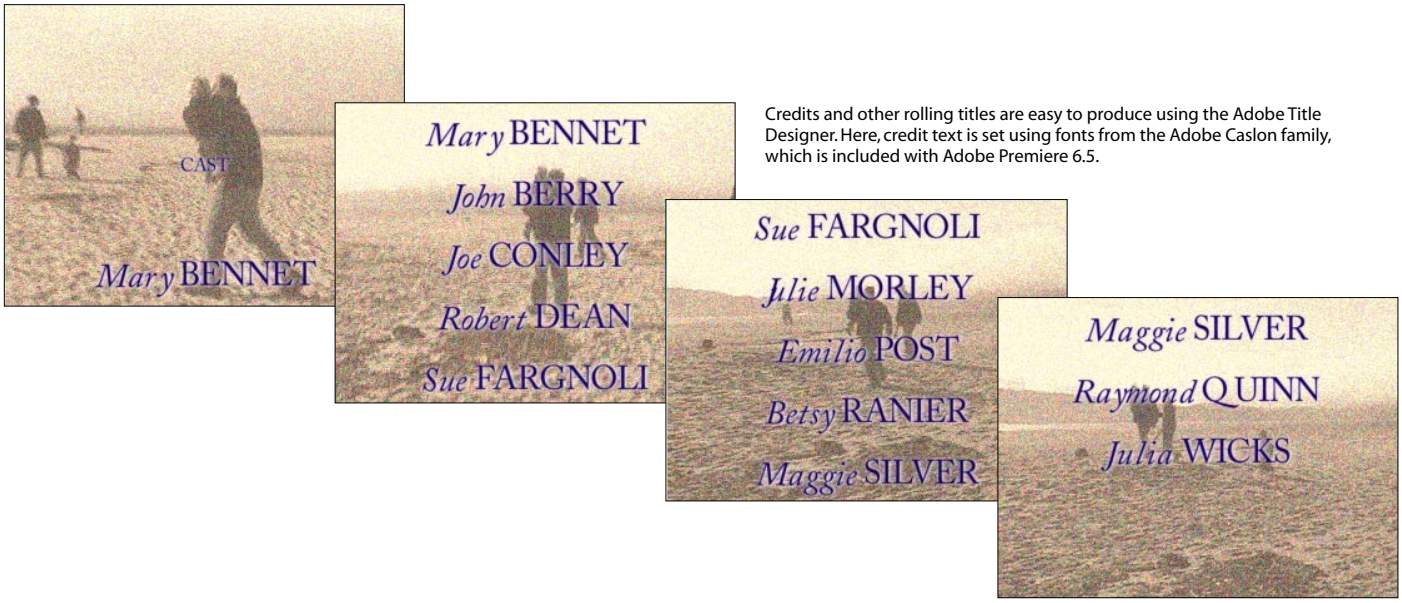
High-quality typesetting can distinguish the titles for your productions, and now you have the tools to create excellent results right in Premiere. Professional typographical controls such as leading, kerning, baseline shift, rotation, slant, and more mean you can refine your titles with the precision you've come to expect in other Adobe products, such as Adobe Illustrator® and Adobe InDesign®.

In addition to basic formatting options such as font, size, and tracking that are applied to the face of the character or object, you can also apply special edge treatments such as outlined text, embossing, or bevels to help a title pop off the screen. You can also control transparency, apply drop shadows and multi-color gradients, and manipulate a wide range of other properties to add visual interest to your titles. To save production time, you can copy and paste text into a title design.



To create a new title, choose File > New > Title. Then use the Properties panel to select a font, apply fills, strokes, and shadows, and to refine a wide range of formatting attributes. Or open one of the many professionally-designed Templates provided with the Adobe Title Designer, such as the one illustrated here, and then customize it to suit your project.

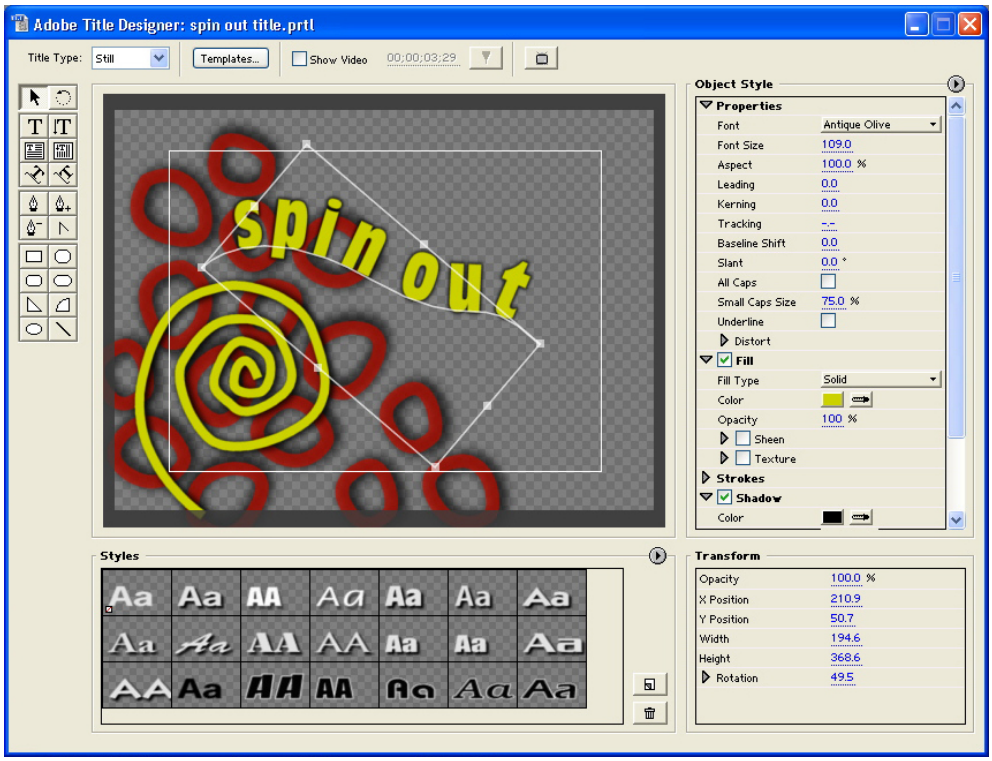
For example, you might create a title file containing the main title copy, then apply basic character formatting. To refine the text further, you would kern it, adjust line spacing, and perhaps offset a character or two using the Baseline Shift option. To add interest, you could map a texture onto the text, then apply a drop shadow to make the text appear to hover in front of the moving background. Finally, you might apply a beveled edge to make the main title appear more three-dimensional. Adobe Premiere also includes more than a hundred Templates and Styles to use as a starting point when you want to customize a title design.



Credits and other rolling titles are easy to produce using the Adobe Title Designer. Here, credit text is set using fonts from the Adobe Caslon family, which is included with Adobe Premiere 6.5.

Drawing Tools, Including the Adobe-Standard Pen Tool

Your titles can also include shapes created with the drawing tools available in the Adobe Title Designer. Use the Adobe-standard Pen tool to draw free-form vector shapes that range from simple to complex forms, or use other drawing tools to create simple regular shapes such as circles, polygons, rectangles, and lines. Any text can follow a path you draw using the Path Text tool, expanding your design options even further. Plus, you can group shapes to make them easier to manage. And to help you get up to speed more quickly, the Adobe Title Designer uses keyboard shortcuts similar to those in Adobe Illustrator.



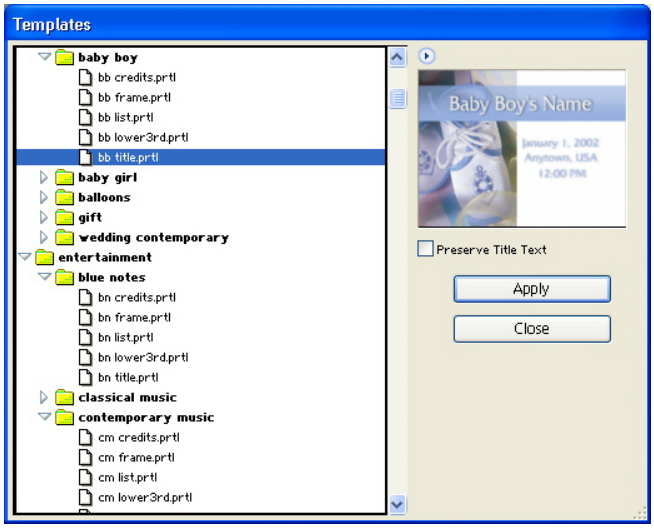
Use the drawing tools in the Adobe Title Designer to create shapes within in a title, or create text on a path using the Path Text tool.

Styles for Text and Shapes

Work with pre-defined text and object Styles, or create your own custom Styles. Styles in the Adobe Title Designer work much like those in other Adobe programs such as Adobe Illustrator and Adobe InDesign; a convenient swatches palette provides a preview of each Style's appearance. Styles are easy to manage, and you can save and load Styles from other title projects. Plus, you can save any custom formatting you like as a Style for easy re-use. Include any formatting options you choose in a Style—from customized type attributes and shadow formatting to fill and stroke attributes.

Time-Saving Templates

The Adobe Title Designer includes more than a hundred professional Template designs. You can also create your own Templates, or modify the Templates included with Adobe Premiere 6.5 to create a customized look. Thumbnails for each Template make it easy to select the one that's right for your project. You can also specify the default Template, which is used as the basis for the new titles you create.



Premiere includes dozens of templates that speed up the process of designing titles, and you can customize your own easily.

Precise Animation Controls

Once your titles are formatted, you can add motion either by using the roll or crawl options in the Adobe Title Designer or by animating the completed title file in the Premiere Timeline. When you create a rolling title, the text rolls from the top to the bottom or from the bottom to the top of the screen; the speed of the roll is determined by the duration of the title in the Timeline. For example, to slow a title's speed down you'd increase its duration. Crawling titles move from right to left or left to right; like rolls, the speed of the crawl is determined by the duration of the title in the Timeline. Because the Title Designer handles the movement for Roll and Crawl titles, you don't have to worry about manually animating them. However, for some projects, you may want additional control over the timing and placement of titles. In that case, you can set keyframes in the Timeline that control everything from position to size and opacity; you can also apply special effect filters to titles for even more design options.

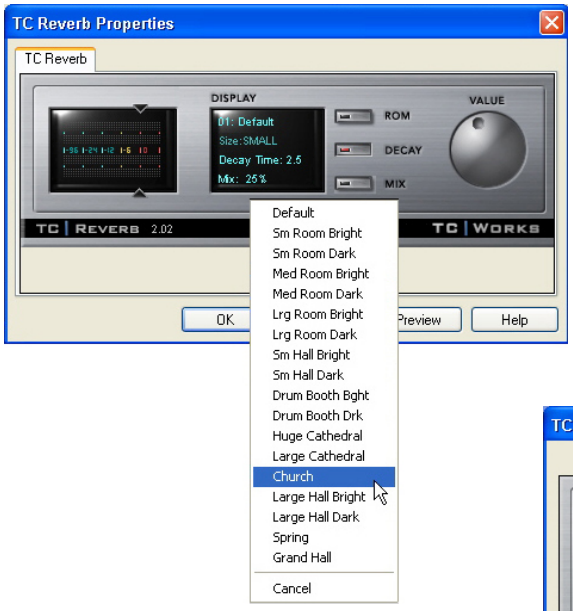
Powerful New Sound Engineering Tools *(Windows only)*

High-quality audio can make a dramatic impact. To help you transform audio clips into powerful acoustic experiences, Adobe Premiere 6.5 includes new audio sweetening tools from TC Works, a leading provider of digital sound-processing tools. These three DirectX plug-ins deliver powerful controls for producing high-quality sound, whether you want to improve the quality of audio recorded with a DV camcorder's built-in microphone or add depth to a professionally-recorded clip. Here's an overview of what each plug-in delivers:

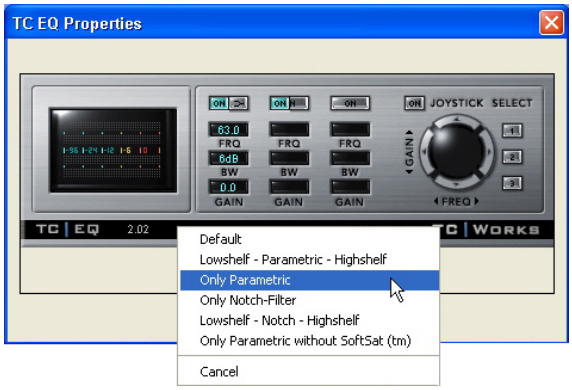
TC Reverb—Simulate the acoustics of different environments to add ambience to an audio track. Whether you want to convey the intimacy of a small jazz club or the vastness of a stone cathedral, the TC Reverb plug-in can create the impression of sound being reflected off a room's surfaces. Specify the room size, the decay time, and the ratio of original to processed sound, and the plug-in does the rest.

TC EQ—Manipulate specific frequencies to emphasize or eliminate particular sounds in a recording. For example, you might want to minimize audio distractions at a key moment by eliminating the whine of a motor in the background. Or, you might choose to highlight the sound of a door clicking shut for dramatic effect. Use notch or parametric controls to manipulate the frequency, bandwidth, and gain settings for three bands individually using notch or parametric controls, and get creative with a joystick interface that offers interactive real-time editing. By default, TC EQ simulates the warm sound associated with analog tube equipment by using soft harmonic distortions rather than hard clipping.

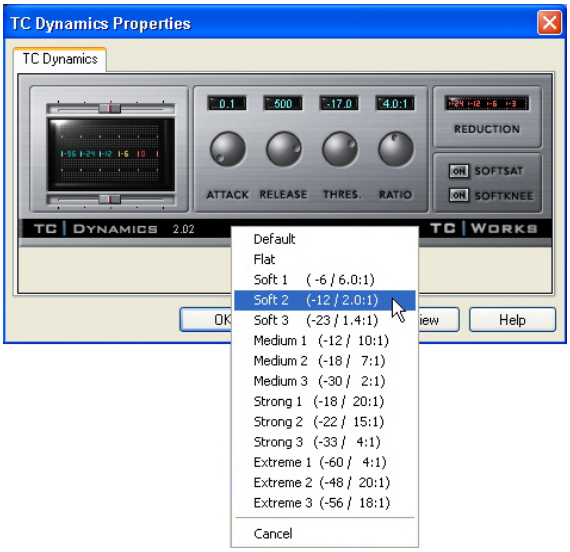
TC Dynamics—Boost sound quality instantly by evening out the peaks and valleys in a recording. Automatic Make-Up Gain brings the level of compressed sound up in order to optimize it, and a Soft Knee control provides a gradual transition into compressed frequency ranges.



Use TC Reverb to simulate the acoustics of different environments.



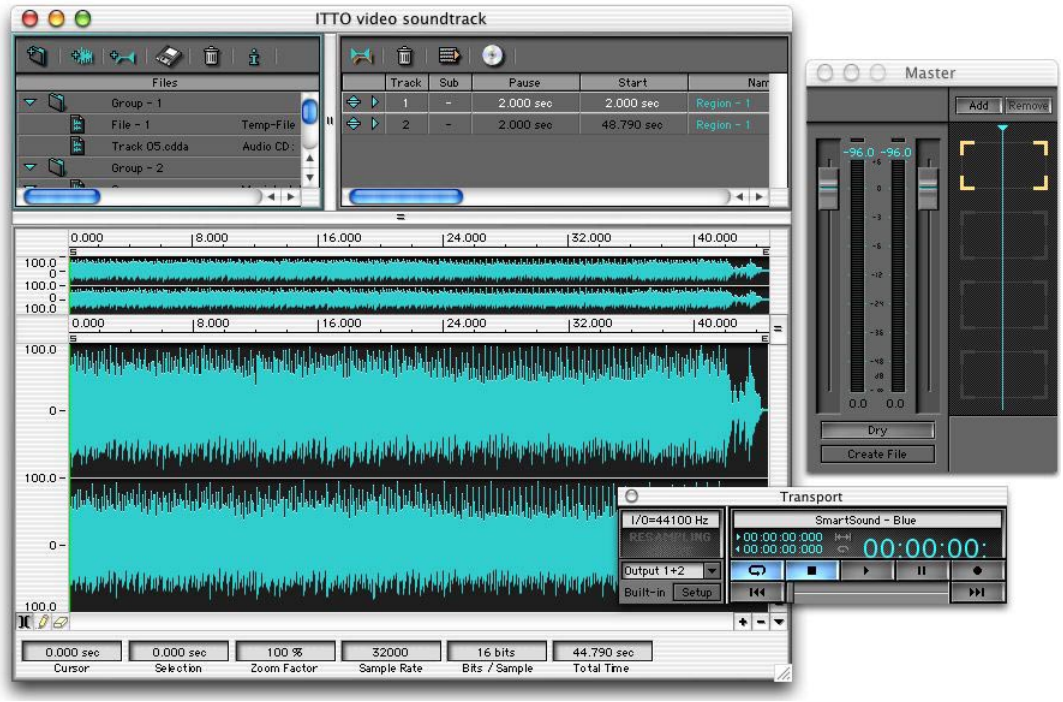
Use TC EQ to manipulate specific frequencies in an audio clip.



Use TC Dynamics to even out the peaks and valleys in a recording.

Real-time Two-Track Audio Processing *(Macintosh only)*

Optimize sound tracks for your video productions using SparkLE, which is now included with Adobe Premiere 6.5. Developed by TC Works, a leading provider of digital sound-processing tools, this stand-alone utility delivers professional-quality two-track audio editing. With SparkLE, you can playback and edit high resolution sound files in today's popular formats without any additional audio hardware. Define real-time cross fades between tracks, use a convenient Play List to assemble multiple clips into a single track, work with sample rates up to 192 kHz, and use bit depths from 8- to 32-bit. Precise level meters make it easy to control results, while QuickTime movie support means you can easily edit the audio associated with video clips. Plus, SparkLE supports industry-standard VST Audio plug-ins, as well as ASIO for connecting to audio hardware.



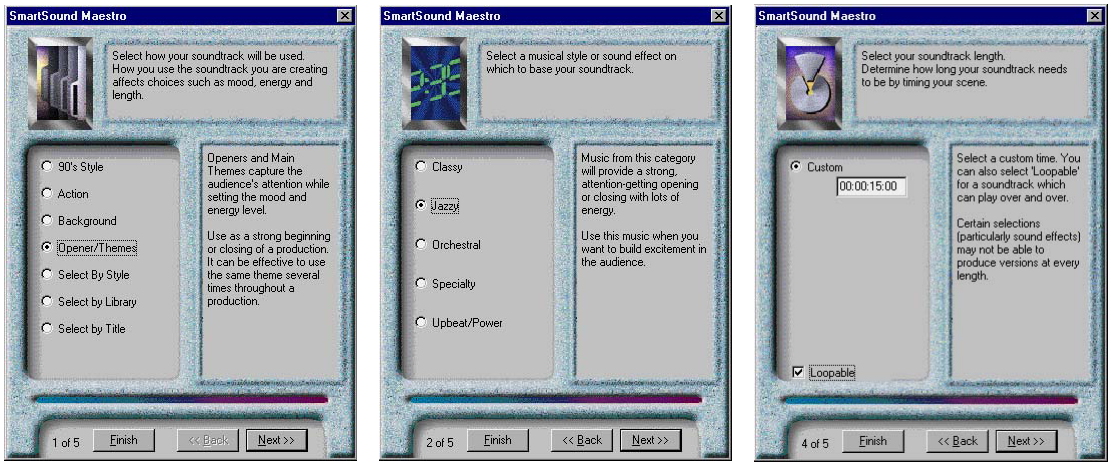
The SparkLE Browser view combines a File list, Play list, and Wave Editor into a single window. Use the Transport window to navigate through an audio file or your Play list, and complete your recording using the controls in the Master window.

Custom-Length Audio Tracks with Updated SmartSound Quicktracks for Adobe Premiere

Not every director can afford to hire a composer to create a custom sound track, and finding the perfect stock audio clips for a soundtrack can be expensive, time-consuming, and frustrating. Adobe Premiere delivers a welcome alternative: SmartSound Quicktracks, which give you everything you need to quickly and easily produce royalty-free custom-length music and audio effects. Whether you can't read a note or are a professional sound engineer, the 27 SmartSound Quicktracks in Premiere expand your toolkit with sounds that range from triumphant trumpet fanfares to techno dance beats. Adobe Premiere 6.5 includes 11 new source tracks that reflect the latest musical trends, so you can produce up-to-the-minute soundtracks with ease. To expand your audio palette further, you can purchase additional Sound Palette CDs directly from Sonic Desktop. Plus, SmartSound Quicktracks now offers native support for Windows XP and Mac OS X.

How does Quicktracks work? Each high-quality source track contains both real music and special embedded information. When you launch the SmartSound Maestro by choosing File > New > SmartSound, the data embedded in the file is used by the Maestro to manipulate the audio based on the parameters you specify—without requiring you to perform time-consuming sound edits or worry about complex composition issues. Using the intuitive wizard-like interface in the Maestro, you can specify whether to work with a particular musical style or to create a soundtrack based on how it'll be used in your production. For example, you might plan to use the clip as an opener or, alternatively, as a background track. Depending on the project, you can create tracks that correspond exactly to Timeline markers—or you can specify a custom duration. Once you've specified how long you need the sound to last, the Maestro does the rest. You simply name the sound

and specify the format you want to use, and the audio file is automatically created and added to your Timeline. If you later decide to extend the duration of the sound track by five seconds, you can simply double-click the SmartSound in the Timeline and enter a new duration—the sound track is automatically regenerated for your new duration. The process couldn't be easier, or the results more useful.


SmartSound Maestro
Select how your soundtrack will be used. How you use the soundtrack you are creating affects choices such as mood, energy and length.
90's Style
Action
Background
Opener/Themes
Select By Style
Select by Library
Select by Title
Openers and Main Themes capture the audience's attention while setting the mood and energy level.
Use as a strong beginning or closing of a production. It can be effective to use the same theme several times throughout a production.
1 of 5
Finish
<< Back
Next >>
SmartSound Maestro
Select a musical style or sound effect on which to base your soundtrack.
Classy
Jazzy
Orchestral
Specialty
Upbeat/Power
Music from this category will provide a strong, attention-getting opening or closing with lots of energy.
Use this music when you want to build excitement in the audience.
2 of 5
Finish
<< Back
Next >>
SmartSound Maestro
Select your soundtrack length. Determine how long your soundtrack needs to be by timing your scene.
Custom
00:00:15:00
Select a custom time. You can also select 'Loopable' for a soundtrack which can play over and over.
Certain selections (particularly sound effects) may not be able to produce versions at every length.
Loopable
4 of 5
Finish
<< Back
Next >>

Use SmartSound Quicktracks to easily create polished custom-length audio tracks.

The source tracks included with Premiere range from a string quartet playing a version of Vivaldi's Four Seasons to classic guitar rock tracks, Zydeco-flavored jazz, and cutting-edge techno beats. Here's an overview of the 11 new source tracks included in Adobe Premiere 6.5:

- ***Baroque Guitar***—Bach's French Suite played on an acoustic guitar with nylon strings.
- ***Drivin' Blues***—A punchy tune with crisp, jazzy flute, funky guitars, and classic Hammond B3 organ.
- ***Friends Forever***—Pop-rock with an alternative flavor.
- ***High Spirits***—Confident and enthusiastic music that communicates adventure, challenge, and discovery.
- ***In the Zone***—A jazzy, upbeat tune with horns and keyboards.
- ***Metal Mania***—Thick and heavy grunge-inspired rock, complete with angry guitar riffs.
- ***Motown Sound***—Classic Detroit drum and horn tunes conjure up good times.
- ***NASDAQ***—Subtle background sound with a new age twist.
- ***Net Force***—Pulse-pounding rhythm with a techno feel.
- ***Samurai***—Percussive sound with a vibrant Pacific Rim flavor.
- ***System Shock***—Fast-paced, cyberspace-inspired music.

Windows Media Import *(Windows only)*

Now you can import clips directly from audio CDs and import and edit Windows Media footage thanks to built-in support for the Windows Media format. All the latest codecs are supported, ensuring a flexible workflow. In addition, performance has been optimized for faster export, and forward compatibility with Microsoft Windows Media 9 has been planned for.

Extensive Hardware Support

Expanded Support for Digital Video Devices

Use the latest camcorders and decks from leading digital video hardware manufacturers, including Sony DVCAM devices and other new hardware from Canon, Panasonic, Sony, and other companies. All third-party capture cards certified for compatibility with Adobe Premiere 6.0 are also compatible with Adobe Premiere 6.5, and Adobe regularly adds support for new devices.

For example, Premiere users can now work with the new Sony DSR-DU1, a detachable hard-drive device that attaches to a camcorder in order to automatically store footage. When you connect the device to your computer, you can work directly with the footage—thus bypassing the time-consuming capture process.

Expanded Support for Real-time Hardware

When you want to take your real-time workflow a step further, you can take advantage of the extensive support Adobe Premiere offers for third-party hardware to expand your system to suit your production requirements. Whether you plan to add hardware that enables you to capture analog video, or you want to add support for uncompressed multi-layer real-time editing and compositing, Adobe Premiere is compatible with more third-party hardware than other leading video editing tools available today.

Windows XP and Mac OS X Support

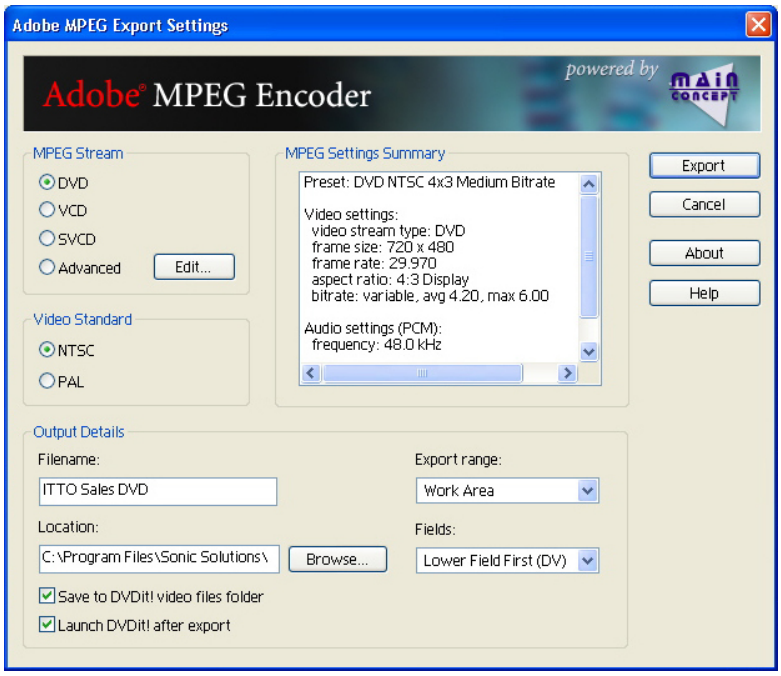
Adobe Premiere 6.5 supports Windows XP and Mac OS X, so you can work with the most up-to-date operating systems. That means you can take advantage of system-level enhancements—from improved memory management to security, networking, and interface improvements to integration with other Adobe products that support Mac OS X—when you work in Premiere 6.5.

Flexible Export Options

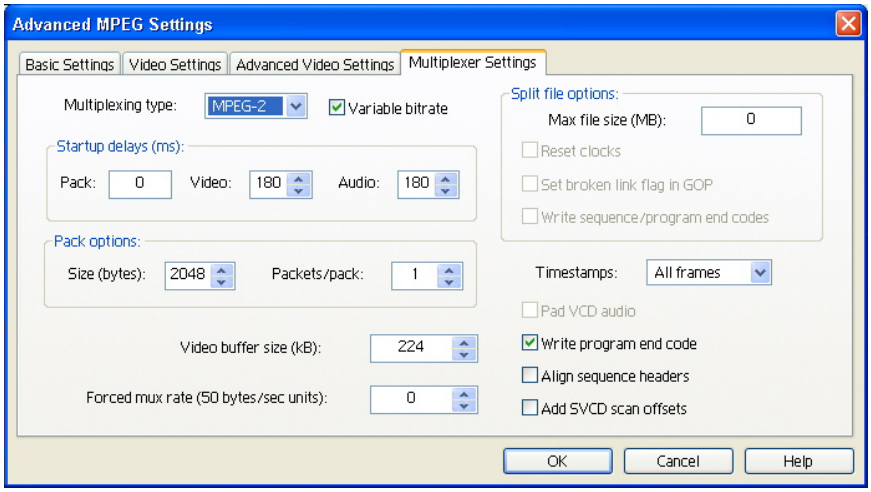
Adobe MPEG Encoder *(Windows only)*

It's now easy to create movies for DVDs, Super Video CDs, Video CDs, and cDVDs directly from the Timeline in Adobe Premiere 6.5, thanks to the new Adobe MPEG Encoder. This professional and fully featured tool provides access to the entire range of MPEG and DVD specifications through an interface that's easy-to-use and highly productive. DVDit! LE, which is included with Adobe Premiere 6.5, provides an interface for authoring DVDs and cDVDs.

A wide selection of convenient presets for popular formats help ensure that you get great results without a lot of tinkering. For example, presets are included for both the DVD 16x9 and DVD 4x3 formats for High, Medium, and Low bit-rates, as well as for several SVCD and VCD formats. Plus, all of the presets included with the Adobe MPEG Encoder are available in both NTSC and PAL versions. You can also customize settings for fine control over variables such as bit-rate, aspect ratio and frame size, as well as advanced video settings such as transfer characteristics and matrix coefficients. If you use the same settings for many different projects, you can save time by defining your own custom presets; you can also share presets with others on your team.



Access output settings quickly with the Adobe MPEG Encoder.



Customize Advanced Settings in the Adobe MPEG Encoder for fine control over output options.

For maximum flexibility, the Adobe MPEG Encoder supports both elementary streaming, where separate files are created for audio and video, and multiplexed program streaming, which includes both audio and video information in a single file. You can choose to export the entire Timeline, the Work Area, or only selected clips.

The Adobe MPEG Encoder also delivers tight integration with DVDit! LE. If you plan to use the MPEG-2 files you create in a DVD project, simply select the Save To DVDit! Video Files Folder and Launch DVDit! After Export options.

DVD Authoring *(Windows only)*

Authoring great-looking DVDs is now easier than ever. Adobe Premiere 6.5 includes Sonic DVDit! LE, which makes producing DVDs a breeze. An intuitive interface guides you through the process of selecting options, building interactive menus, and choosing output options. DVDit! LE supports a wide range of DVD writers and CD-R devices and media.

With Premiere 6.5 and DVDit! LE, you can easily create high-impact DVDs that can be played on computers and stand-alone DVD players.

Integration with Apple iDVD and Apple DVD StudioPro *(Macintosh only)*

If Apple DVD Studio Pro is installed on your system, you can easily create DVDs from your Premiere productions. When the DVD Studio Pro QuickTime export module (which includes an MPEG encoder) is present, Adobe Premiere 6.5 can take advantage of its functionality. You can send a selected clip or the entire Premiere Timeline to the encoder, then use the resulting files in DVD Studio Pro to author and burn your own DVDs. To save production time, chapter markers defined in Premiere are honored by DVD Studio Pro. You can also use the DV movies you produce in Premiere in your Apple iDVD projects. (*Note:* Neither Apple iDVD nor Apple DVD Studio Pro are included with Adobe Premiere 6.5.)

Enhanced Windows Media Export *(Windows only)*

Export streaming media in the latest Windows Media formats. Optimized performance means files render quickly, allowing you to take advantage of the latest codecs and other features. Plus, use marker data, including URL flips and JavaScript commands, from the Premiere Timeline to create richly interactive streaming content for Web sites.

Tight Adobe Product Integration

Additional Special Effects Filters from Adobe After Effects®

Adobe After Effects is recognized industry-wide as the essential tool for motion graphics and visual effects, and now you can use even more After Effects filters in your Premiere productions. Five new After Effects filters are included with Premiere 6.5, bringing the total number of After Effects filters included with the product to over 30. Here's an overview of what these new effects offer:

Blend—Define transitions between two video clips using any of five different modes. The crossfade mode is ideal for creating transitions between clips with transparent regions. You can also create transitions based on color, tint, lightness, or darkness. In addition, you can control the degree to which the clips blend by entering values between 0% and 100%.

Channel Blur—Create glow effects and more by individually blurring a clip's red, green, blue, or alpha channels. Specify whether the blur is horizontal, vertical, or both; additional options control whether the edges of the clip are opaque, transparent, or semi-transparent.

Directional Blur—Create the illusion of motion by blurring a video track in a particular direction.

Ramp—Blend color gradients with your original footage element. Specify starting and ending positions of the colors in the gradient, add intermediate keyframes, and choose between linear and radial ramps. For broadcast-quality results, use the Ramp Scatter control to eliminate banding by dispersing colors.

Lightning—Create lightning bolts and other electrical effects between two points on a video track, in a title sequence, or on a still image.

For a complete list of After Effects plug-ins included with Adobe Premiere, please refer to online Help.

Additional Effects Certified for Compatibility with Premiere

If you own both Premiere and Adobe After Effects, you can use additional After Effects plug-ins in Premiere 6.5 simply by dropping copies of them into the Premiere plug-in folder. If you use the After Effects Standard version you can work with the Color Balance, Compound Blur, Gamma/Pedestal Gain, and Beam plug-ins in Premiere; if you work with the Production Bundle, you can also use the Offset, Corner Pin, Displacement Map, Glow and Scatter plug-ins.

System Requirements*

Macintosh
- PowerPC® G3 or faster processor (G4 or G4 dual processor recommended)
- Mac OS 9.2.2 or Mac OS X version 10.1.3
- 64 MB of application RAM (128 MB or more recommended)
- 256-color display adapter
- CD-ROM drive
- Apple QuickTime 5.0.2 software
- 600 MB of available hard-disk space required for installation

Additional Requirements for DV:
- QuickTime-compatible FireWire (IEEE-1394) interface
- Large-capacity hard disk or disk array capable of sustaining 5 MB/sec
- Apple FireWire 2.7

Additional Requirements for Third-Party Capture Cards:
- Adobe Premiere certified capture card

Additional Requirements for Real-time Preview:
- G4 Processor (G4 dual processors recommended)

Windows®
- Intel® Pentium® III 500 MHz processor (Pentium 4 or multiprocessor recommended)
- Microsoft® Windows 98 Second Edition, Windows Millennium, Windows 2000 with Service Pack 2, or Windows XP
- 128 MB of RAM (256 MB or more recommended)
- 256-color display adapter
- CD-ROM drive
- 600 MB of available hard-disk space required for installation

Additional Requirements for DV:
- Microsoft DirectX-compatible IEEE-1394 interface
- Dedicated large capacity 7200RPM UDMA 66 IDE or SCSI hard disk or disk array
- Microsoft DirectX-compatible video display adapter

Additional Requirements for Third-Party Capture Cards:
- Adobe Premiere certified capture card

Additional Requirements for Real-time Preview:
- Pentium III 800MHz processor (Pentium 4 dual processors recommended)

* System requirements are subject to change prior to shipping.

Expected Ship Date
3rd quarter 2002

For additional information, please visit the Adobe Web site at *www.adobe.com/products/premiere*.

High-Quality Adobe Fonts

To expand your title design options, Adobe Premiere 6.5 includes more than 90 high-quality Adobe PostScript® fonts, as well as two Japanese fonts.* From the stately appearance of Charlemagne to the casual look of Tekton, the fonts you choose for a title can reflect your visual flair while setting the right tone for your story. The fonts included with Premiere 6.5 were selected because they work especially well in video productions; they can be used with other applications as well.

* These fonts can be displayed but cannot be edited without Japanese operating system and/or a Japanese input method software installed on your system.

A sampling of the PostScript fonts included with Adobe Premiere 6.5.

Pricing and Availability

In the United States and Canada only, Premiere 6.5 for Mac OS 9.2.2, Mac OS X version 10.1.3, Windows 98 SE (second edition), Windows Millennium Edition, Windows 2000, and Windows XP is expected to ship in the third quarter of 2002. The estimated street price for Adobe Premiere 6.5 is $549 (USD).

Registered users of any full version of Premiere (not including LE versions) can purchase upgrades to Adobe Premiere 6.5 for $149 (USD). Upgrades from Adobe Premiere LE will be available for $249 (USD).

French, German, and Japanese upgrades are expected to ship within 90 days of the English versions. Information about these versions, as well as pricing, upgrade, and support policies for these countries, will be announced separately.

About Adobe Systems

Founded in 1982, Adobe Systems Incorporated (www.adobe.com) builds award-winning software solutions for network publishing, including Web, ePaper, print, video, wireless and broadband applications. Its graphic design, imaging, dynamic media and authoring tools enable customers to create, manage and deliver visually-rich, reliable content. Headquartered in San Jose, Calif., Adobe is one of the largest PC software companies in the U.S., with annual revenues exceeding $1.2 billion.

Adobe Systems Incorporated
345 Park Avenue
San Jose, CA 95110-2704 USA
World Wide Web
http://www.adobe.com

Adobe, the Adobe logo, Acrobat, After Effects, Illustrator, InDesign, Photoshop, PostScript, and Premiere are trademarks of Adobe Systems Incorporated. Macintosh, Mac, Mac OS, and Power Macintosh are trademarks of Apple Computer, Inc., registered in the United States and other countries. QuickTime and the QuickTime logo are trademarks used under license. The QuickTime logo is registered in the U.S. and other countries. Intel, Pentium, and Pentium II are registered trademarks of Intel Corporation. PowerPC is a registered trademark of International Business Machines Corporation. Microsoft, Windows, and Windows NT are either registered trademarks or trademarks of Microsoft Corporation. Macromedia and Flash are trademarks or registered trademarks of Macromedia, Inc. in the United States and/or other countries. RealMedia is a trademark or registered trademark of RealNetworks, Inc. All other trademarks are the property of their respective owners.

© 2002 Adobe Systems Incorporated. All rights reserved. Printed in the USA. 6/24/2002